

ABSTRACT OF THE DISCLOSURE

A photographing method and apparatus for photographing a fluorescent image, composed of fluorescent light emitted by a living tissue that has been illuminated by a stimulating light, 5 as an image having a higher S/N ratio. Fluorescent light emitted by a living tissue that has been illuminated by a stimulating light emitted from a light source and propagated along an endoscope enters an image fiber. The fluorescent light entering the image fiber is propagated along the image fiber to the output 10 face of the image fiber and focused on the light-receiving zone of a photographing element, under photographing conditions set so that the relation between the pixels of aforementioned output face, upon which the fluorescent image is formed, to the pixels receiving the light of the fluorescent image within aforementioned light-receiving zone satisfies the condition 15 expressed by the formula:  $N_f \times 4 > N_d$ .